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A Visual Resource Inventory and Evaluation Study Proposal

Central Utah Coal and Range Regional Area

A-512-RFP7-1-0002

The Environmental Associates
303 Trolley Square
Salt Lake City, Utah 84102

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THE ENVIRONMENTAL ASSOCIATES: ARCHITECTS PLANNERS LANDSCAPE ARCHITECTS 303 TROLLEY SQUARE SALT LAKE CITY, UTAH 84102 PHONE 801 322-5543

September 23, 1976

Bureau of Land Management
Attention: Joe Arnett
Building 50, Denver Federal Center
Denver, Colorado 80225

YA-512-RFP 7-1

Gentlemen:

We respectfully submit our study proposal for the Visual Resource Inventory and Evaluation of the Central Utah Coal and Range Regional Study.

Included in this proposal is our schedule and program for this visual inventory. Our experience with similar projects in Federal Government, county and private development, and the individual qualifications and capabilities of each team member will provide a superior product.

From this proposal we hope that you can recognize our professional and personal interest in this project.

For further negotiations, questions, or additional information contact:

J. McRay Johnson
303 Trolley Square
Salt Lake City, Utah 84102
801-322-5543

Sincerely,

THE ENVIRONMENTAL ASSOCIATES

J. McRay Johnson, A.S.L.A.
President

JMJ/cc

Enclosure

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Table of Contents

	sec.
Study Objectives	1
Study Procedure	2
Technical Qualifications	3
Personnel Qualifications	4
Management Organization	5

Study Objectives

1

It is understood that the study will begin upon notification by the Bureau of Land Management, with a possible commencement date of about October 15, 1976.

We would propose to conduct the study in four major phases of Preparation, Investivation, Evaluation, and Recommendation. The various phases would be implemented in the following manner:

PREPARATION PHASE

The Preparation Phase would entail collecting an inventory of available resource materials and information and prior to proceeding with the next phase assimilating the Bureau of Land Management criteria for Visual Resource Evaluation as well as their existing information relative to natural resources and man's invasion of the study area.

INVESTIGATION PHASE

The Investigation Phase would be conducted by thorough team field observations by visual inspection, coordinated with the District or Area Manager, for the accumulation of notes and photographs recording scenery quality and the various sensitivity levels. Investigations could use existing aerial survey materials. If enough aerial photographs are available, we would propose assembling a composite aerial survey for study and reference by the on-site evaluation teams. The various areas will be catagorized and classified into visual zones and visual management units.

EVALUATION PHASE

The Evaluation Phase would be accomplished by comparing the existing landscape features and ground forms - natural and man-made in relation to the established Bureau of Land Management Visual Resource Analysis criteria, Supplements #6310 and #6320.

RECOMMENDATION PHASE

The Recommendation Phase would suggest a program of guide lines for management policies for the various existing and proposed resource developments in accordance with the defined objectives of the study.

The compilation of this information will be communicated to the Bureau of Land Management through an orderly composition of maps, photographs, visual models, as required, all clarified by written documentation.

Being well acquainted with Bureau of Land Management operational methods and the various local levels of governmental procedures through our previous preparations of Environmental Impact Statements, the information that we expect to compile will conform to the defined objectives of this study.

Study Procedure

2

TECHNICAL EVALUATION FACTORS

METHODOLOGY

This is an expanded explanation of the four phase procedures for conducting the project work after receipt of the contract for the project and a notice to proceed.

Preparation:

Make an inventory of available information to be furnished by the Bureau of Land Management, existing aerial photographs, transportation maps, vegetative cover maps available. Prepare aerial mosaic of total area from Xerox copies of Bureau of Land Management aerial photographs. Mock-up small sections for visual comparison by investigation team on-site. Meet with Bureau of Land Management personnel for discussion of work and procedural methods. Secure and assimilate Bureau Criteria for Visual Resource Evaluation. Prepare charts, forms and maps for field work.

2 Men - 7 Days

Investigation:

Check available land use, ownership, vegetative cover and points of archaeological, historic and recreational interest with District and Area Manager. Coordinate with Area Manager the field investigation schedule and proposed routing.

2 Men - 1 Day

Entire observation team to make a preliminary quick trip through entire area to acquaint members with the total scope of project. Discuss all facets of survey to make certain that everyone has a similar concept of the Bureau of Land Management Visual Resource Inventory criteria prior to the project start.

5 Men - 2 Days

Actual survey trip by investigation team to map and inventory the scenery quality, sensitivity levels, distance zones, visual management units. Team members would make notations on forms, charts, or maps and rate the areas as high, medium, low sensitivity levels; also as Foreground, Middleground and Background distance zones. They will indicate visual corridor and total area seen. They will note landscape character and vegetative cover types. Team to cover area round trip.

5 Men - 18 Days

Evaluation:

Team members to return to home office to check field material; make assessment of information secured. Compile in a more accurate readable form. Check over notations on maps. Review preliminary investigation results with Bureau of Land Management personnel and the District Manager. Secure their assessment and suggestions concerning information secured, whether insufficient or too detailed.

3 Men - 15 Days

Second Investigation:

Omit previous investigation at District office. Coordinate departure, schedule and itinerary of second field trip with District Manager. Repeat investigation procedures noted above on second reconnaissance trip both directions. Perform similar Visual Resource Evaluation. Cross check previous evaluations.

5 Men - 18 Days

Recommendations:

Prepare Visual Resource Management class determination. Resolve activity descriptions. Make contrast ratings for land area surfaces, vegetative cover and existing structure evaluations. Prepare recommendations for existing and proposed man-made intrusions. Organize all material. Prepare draft report. Bureau of Land Management preliminary review and suggestions on final format and process. Close coordination will be possible by this firm because of our close proximity to the Utah State office.

3 Men - 14 Days

Preparation of Final Draft Report:

Complete maps. Check, revise written material. Assemble graphic material - maps, charts. Prepare necessary appendixes. Submission of final draft report.

3 Men - 14 Days

Final Documents:

Final documents will be printed including maps and graphic material in the number of copies specified. Photographs, slides, reproducible copies and other technical back-up material will be assembled, labeled, and delivered to the Bureau of Land Management offices.

2 Men - 20 Days

Technical Qualifications

3

FEDERAL GOVERNMENT

CAPITOL REEF NATIONAL PARK
ARCHES NATIONAL PARK
CANYONLANDS NATIONAL PARK

Conceptual Master Plan
Environmental Impact Study

This study included several weeks of data gathering and analyzing. Information was gathered through float trips down the Green and Colorado Rivers, helicopter reconnaissance, and actual on site visual inventory through photographs and notation. Meetings with local environmental and interest groups were held. Transportation information was compiled not only within the park boundaries but several miles outside. A comprehensive graphic and verbal report using the photographs obtained through on site studies along with overlays and model studies was compiled in the final draft.

GREEN RIVER CORRIDOR STUDIES

Bureau of Land Management

This study was done by J. McRay Johnson during his employment with the Bureau of Land Management as Utah Landscape Architect and included the portion of the Green River from Flaming Gorge Dam to Brownes Park. This study was a visual inventory and recreational survey which resulted in the completion of several river camp sites and rest stops.

SAND DUNES RECREATION AREA

Bureau of Land Management

This study was done by J. McRay Johnson while State Landscape Architect for the Bureau of Land Management and included development of the original master plan following studies which indicated visual resources, recreational uses and potential and the need of channelizing and directing divergent uses of the area for camping, dune buggies, pedestrian uses of the sand and multiple use of the resources other than recreation.

COUNTY GOVERNMENT

WEST VALLEY HIGHWAY

Environmental Impact Study
Salt Lake County, Utah

This study currently in progress includes an extensive Environmental Impact Statement. The Environmental Associates is preparing all visual and recreational inventories along the highway right-of-way.

JORDAN RIVER REGIONAL PARK

Salt Lake County Recreation & Parks

250 acres of vacant land along the Jordan River was outlined by the County Recreational Planner. The land was taken and analized for recreational uses and coordinated with an already existing Jordan River Parkway study. Through the use of photographs, topography, maps, aerial photographs, and U.S. Army Corps of Engineers hydrology and channelization studies, The Environmental Associates developed a comprehensive master plan which included all facilities programmed by the county in a visual presentation form.

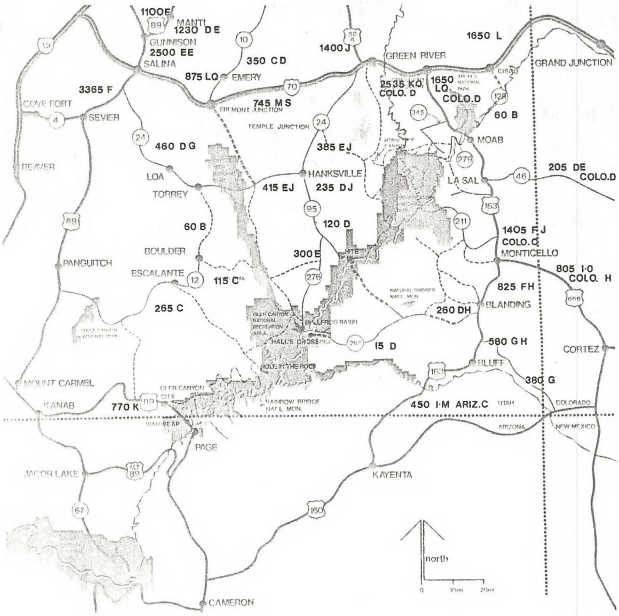
PRIVATE DEVELOPMENT

WASATCH DEVELOPMENT STUDIES

Terricor Development

This 2,200 acres of land in the tops of the Wasatch Mountains was studied as completely as possible in a nine month study including soils, water, winds, vegetation, land uses, man made intrusions, visual resources and recreation potential.

The material was presented to the client in written and visual material including slide and map drawing presentations.



TRAFFIC VOLUME MAP

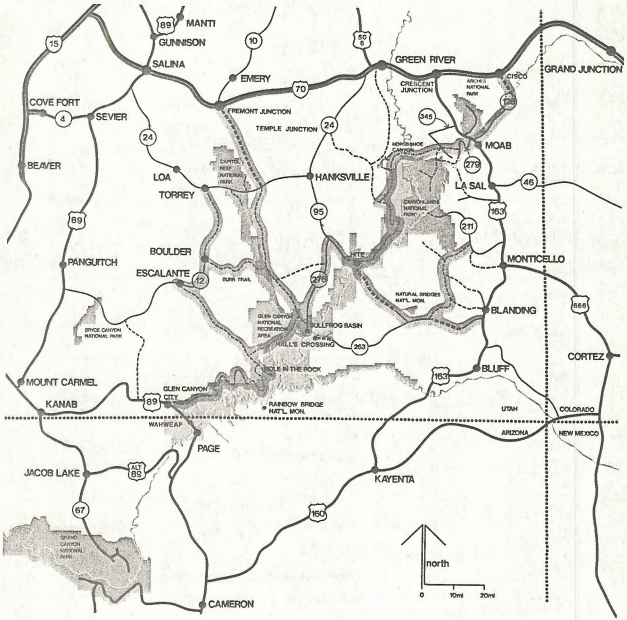
KEY TO TRAFFIC CODE

NOTE: NUMBER BY ROAD REPRESENTS TOTAL TRAFFIC. FIRST LETTER FOLLOWING NUMBER REPRESENTS OUT-OF-STATE PASSENGER TRAFFIC. SECOND LETTER REPRESENTS HEAVY TRUCKS (6 TIRES OR MORE).

PERCENTAGE CODE

LETTER	PERCENTAGE RANGE	MID-POINT
A	BELOW 2.49	
B	2.5 to 7.49	5%
C	7.5 to 12.49	10%
D	12.5 to 17.49	15%
E	17.5 to 22.49	20%
F	22.5 to 27.49	25%
G	27.5 to 32.49	30%
H	32.5 to 37.49	35%

LETTER	PERCENTAGE RANGE	MID-POINT
I	37.5 to 42.49	40%
J	42.5 to 47.49	45%
K	47.5 to 52.49	50%
L	52.5 to 57.49	55%
M	57.5 to 62.49	60%
N	62.5 to 67.49	65%
O	67.5 to 72.49	70%
P	72.5 to 77.49	75%
Q	77.5 to 82.49	80%
R	82.5 to 87.49	85%
S	87.5 to 92.49	90%
T	92.5 to 97.49	95%
U	OVER 97.5	



UTAH STATE DEPARTMENT OF HIGHWAYS PROPOSAL

LEGEND

INTERSTATE HIGHWAY

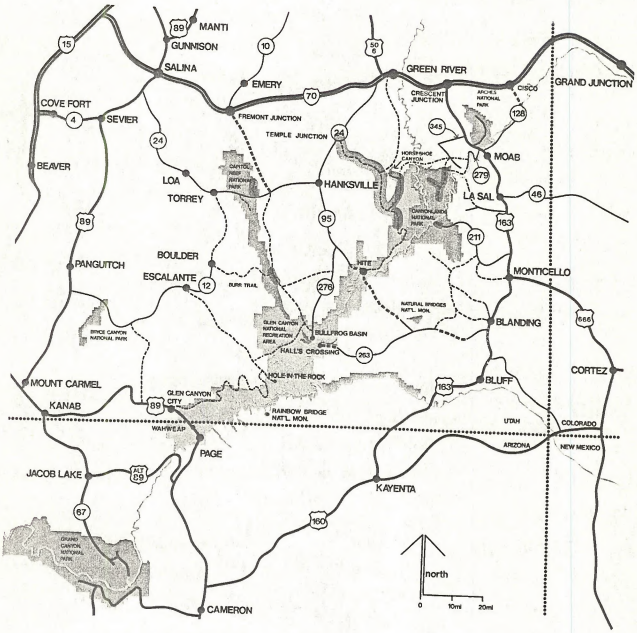
STATE HIGHWAY

UNIMPROVED GRAVEL/DIRT

U.S. HIGHWAY

IMPROVED GRAVEL

NONEXISTENT/PROPOSED



NATIONAL PARK SERVICE PROPOSAL

LEGEND

INTERSTATE HIGHWAY

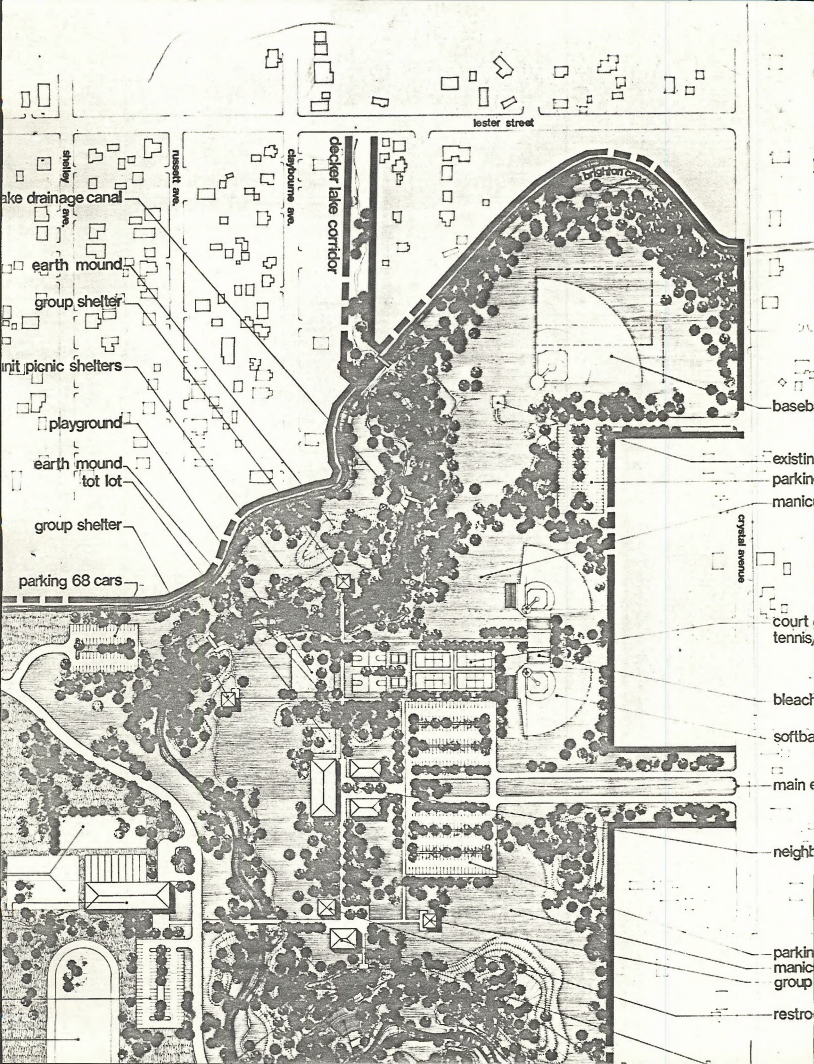
STATE HIGHWAY

UNIMPROVED GRAVEL/DIRT

U.S. HIGHWAY

IMPROVED GRAVEL

NONEXISTENT/PROPOSED


lester street
shelley ave.
russett ave.
clayboume ave.
decker lake corridor
brighton ave.
crystal avenue
ake drainage canal
earth mound
group shelter
nit picnic shelters
playground
earth mound
tot lot
group shelter
parking 68 cars
baseb
existin
parkin
manic
court
tennis
bleach
softba
main e
neigh
parkin
manic
group
restro

Personnel Qualifications

4

J. MCRAY JOHNSON, ASLA - Landscape Architect and Planner, President

TEAM CAPTAIN: Visual Inventory, Project Organization, Financial, Project Manager

EDUCATION:

University of Utah
Bachelor of Fine Arts, 1962

Utah State University
Master of Landscape Architecture, 1965

REGISTRATION:

Landscape Architect - Utah Certificate No. 11
Landscape Architect - Idaho Certificate No. 4

RELATED PROFESSIONAL PROJECTS:

Capitol Reef National Park - Conceptual Master Plan, Environmental Impact Study - National Park Service

Arches National Park - Conceptual Master Plan, Environmental Impact Study National Park Service

Canyonlands National Park - Conceptual Master Plan, Environmental Impact Study - National Park Service

Green River Corridor Studies - Bureau of Land Management

Sand Dunes Recreation Area - Bureau of Land Management

Transportation Study - Southeastern Utah - National Park Service

Hog Springs Recreation Site - Bureau of Land Management

Starr Springs Campground - Bureau of Land Management

Cleveland-Lloyd Dinosaur Quarry - Bureau of Land Management

West Valley Highway - Environmental Impact Study for Salt Lake County, Utah

Jordan River Regional Park - Salt Lake County Recreation and Parks

Wasatch Development Studies - Terracor Development

KARSTEN HANSEN, ASLA - Landscape Architect, Planner

TEAM CAPTAIN: Visual Inventory, Project Organization, Project Manager

EDUCATION:

University of Cincinnati
B.S. in Landscape Architecture, 1934

REGISTRATION:

Landscape Architect, Colorado - 1968
Landscape Architect, Utah - 1969

RELATED PROFESSIONAL PROJECTS:

Landscape Architect with National Park Service in Utah for one year.

Landscape Architect and Recreational Planner with U. S. Forest Service, Wyoming, Colorado and California for six years.
St. Charles Recreation Area, Pueblo, Colorado
Pikes Peak - Worked on planned recreation area
Able Mountain Recreation Area, Los Padres National Forest, California
Worked with John Sieker, U.S. Forest Service on recreational facilities which were later adopted as standards by U.S.F.S.

Golf Course Superintendent, Salt Lake Country Club

Prudential Federal Savings - Shopping centers and commercial developments.

Clayton Junior High, Highland High School - Landscape plans

Dixie College, St. George, Utah - Master plan and development phases

University of Utah - Landscape development plans for various building projects.

Weber State College - Preparation of landscape plans, specifications and supervision of work at Student Union Building gymnasium and playfield developments

Hill Air Force Base, Ogden, Utah - Prepared site plan and landscape plan for 500 unit housing development

Salt Lake City Police Aid Association - Preparation of recreational development.

Landscape consultant for Utah State Building Board at various State agencies.

The Ogden Federal Building Landscape Architectural Plans

The Salt Palace Civic Center Complex, Salt Lake City, Utah

Weber State College Library and the Fine Arts Court - Landscape Development

Physical Education Playfields - University of Utah

J. BRUCE JORGENSEN - Landscape Architect

TEAM MEMBER: Visual Inventory, Map Delineator, Research and Graphic Production

EDUCATION:

Utah State University
Bachelor of Landscape Architecture, 1969

RELATED PROFESSIONAL PROJECTS:

Cedar Springs Boat Ramp and Campground - Ashley National Forest

Stockmore Ranger Station - Ashley National Forest

Sheep Creek Fisherman's Campground - Ashley National Forest

Transportation Study - Southeastern Utah - National Park Service

West Valley Highway - Environmental Impact Study for Salt Lake County, Utah

Jordan River Regional Park - Salt Lake County Recreation and Parks

Associated with The Environmental Associates and has had a major part in all landscape and planning projects since 1973.

RICHARD J. ABBRUZZESE - Architect, Photographer

TEAM MEMBER: Visual inventory, graphic layout

EDUCATION:

California Polytechnic State University
Bachelor of Architecture, 1971

RELATED PROFESSIONAL PROJECTS:

Daggett County Development - Daggett County Development

UNDC, Blanding, Utah - Terracor

Visual Studies - Utah Power and Light

Visual Studies - Tooele City Parks and Recreation

PATRICK KING - Photographer, Writer

TEAM MEMBER - Visual Inventory, Photographer, Written Material

EDUCATION:

University of Utah
Bachelor of Architecture, 1971

RELATED PROFESSIONAL PROJECTS:

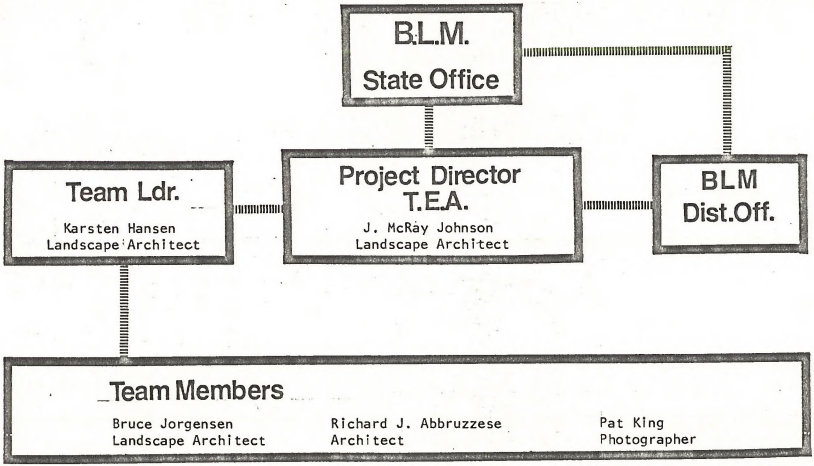
Photographs and articles for the following magazines:

A.I.A. Journal
Architectural Record
Utah Magazine
Sunset
Utah Travel Council

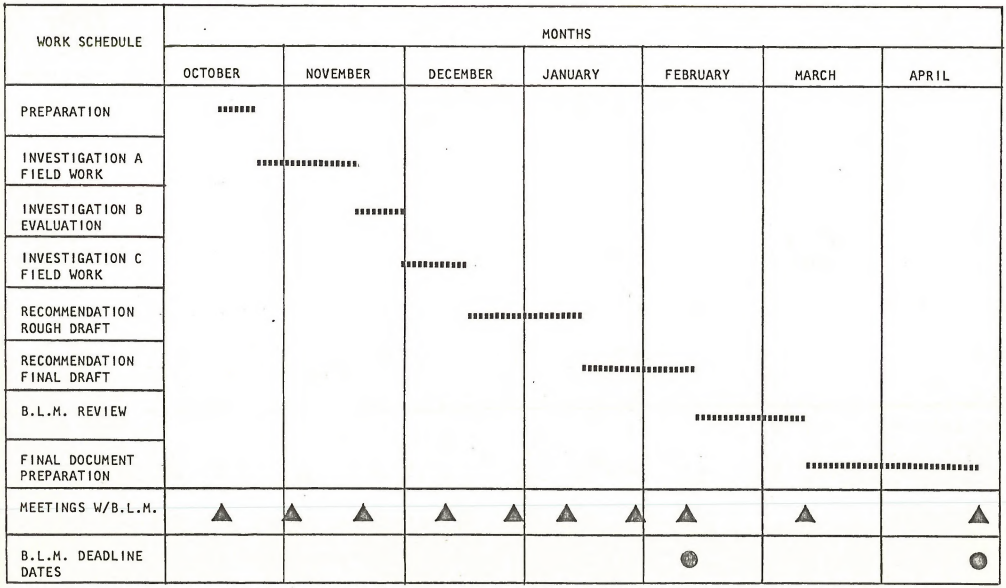
Publications:

Pueblo Indian Religious Architecture (Documentary)

5 Management Organization


B.L.M.
State Office
Team Ldr.
Karsten Hansen
Landscape Architect
Project Director
T.E.A.
J. McRay Johnson
Landscape Architect
BLM
Dist.Off.
Team Members
Bruce Jorgensen
Landscape Architect
Richard J. Abbruzzese
Architect
Pat King
Photographer

project schedule



Statements on Project

Due to the late date that the project will be started, it is anticipated that the Investigation team will start work in the higher country to complete the necessary survey work before winter weather cuts off access.

The field work would move into the lower areas to conduct the survey at a later date. Should unseasonable weather set-in sooner than normal, the Investigation portion of the project would be carried out by the use of four-wheel drive vehicles.

Because of the isolated area of the project and the long travel distances involved, the Investigation team would remain in the field until a complete survey of the area had been made. They would then return to the home base with compensatory time off.

Since most of the personnel are from this area and have visited various parts of it, they will be familiarwith the locale, aware of its scenic qualities or lack of these and will not be overwhelmed by the vastness of the country. They will be able to retain their objectiveness.

Previous experience through employment with the Bureau of Land Management will make the personnel sensitive to the objectives of the Government. The office is located in Salt Lake City. This should allow closer laison with the Utah State Office of the Bureau of Land Management

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A visual resource inventory
and evaluation study

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